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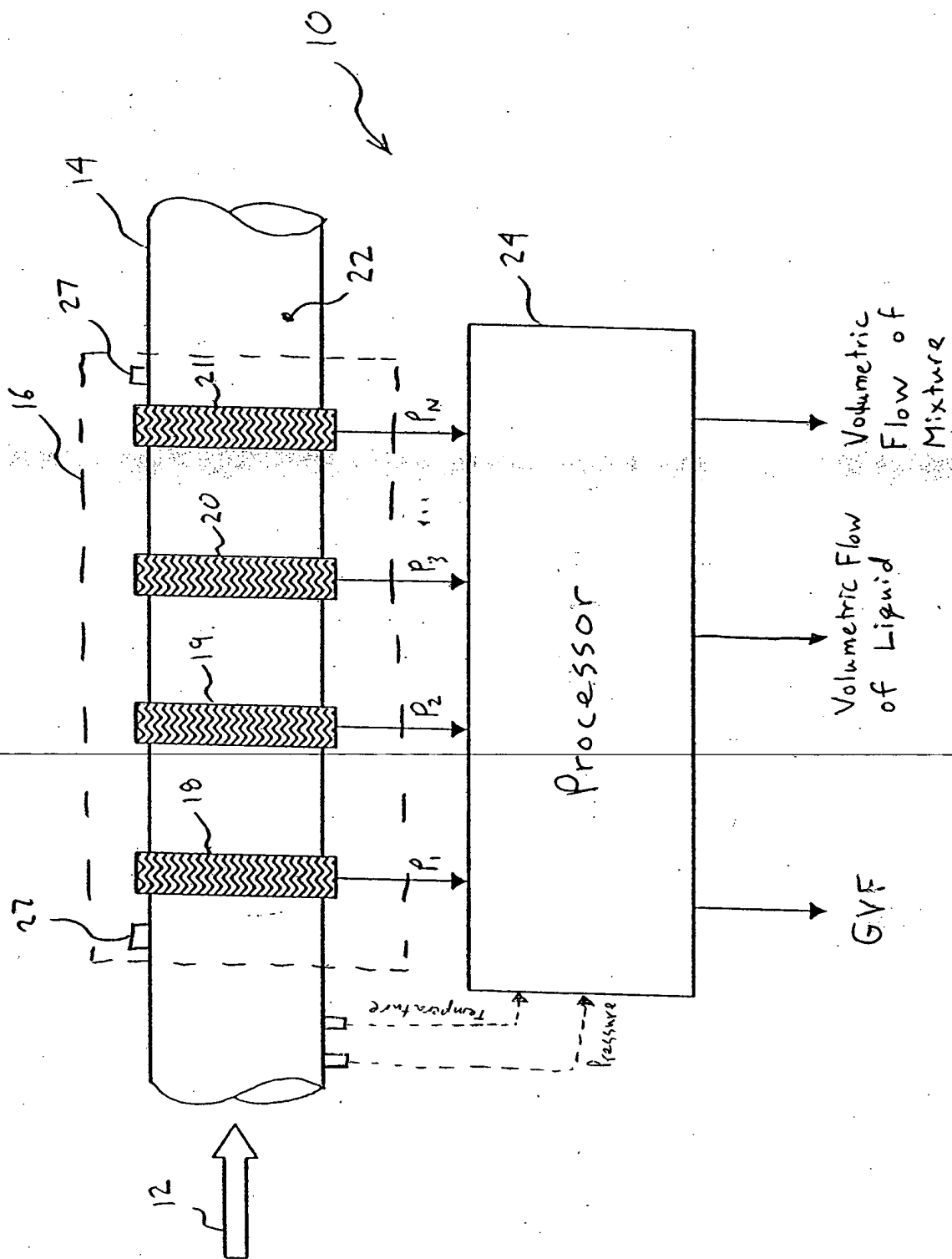


Fig. 1

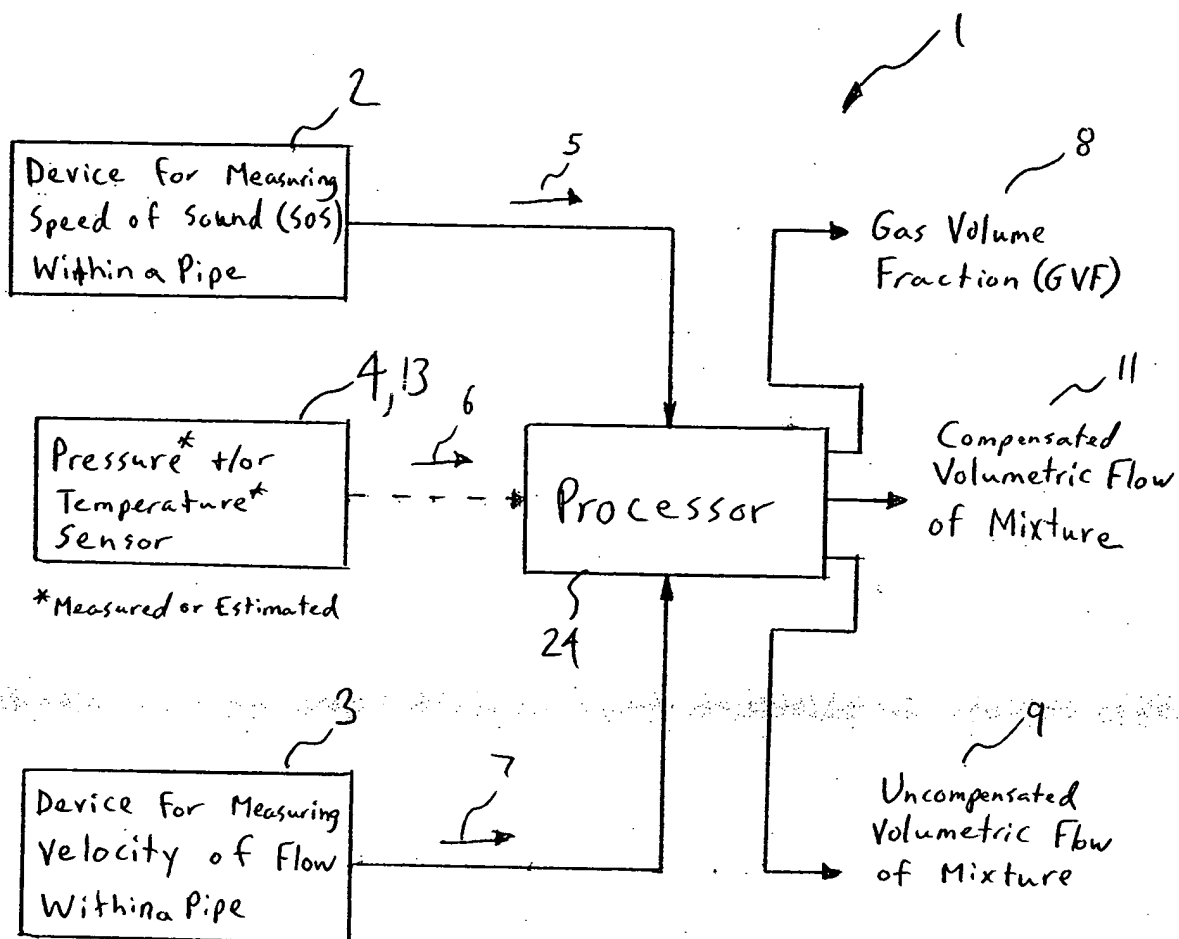


Fig. 2

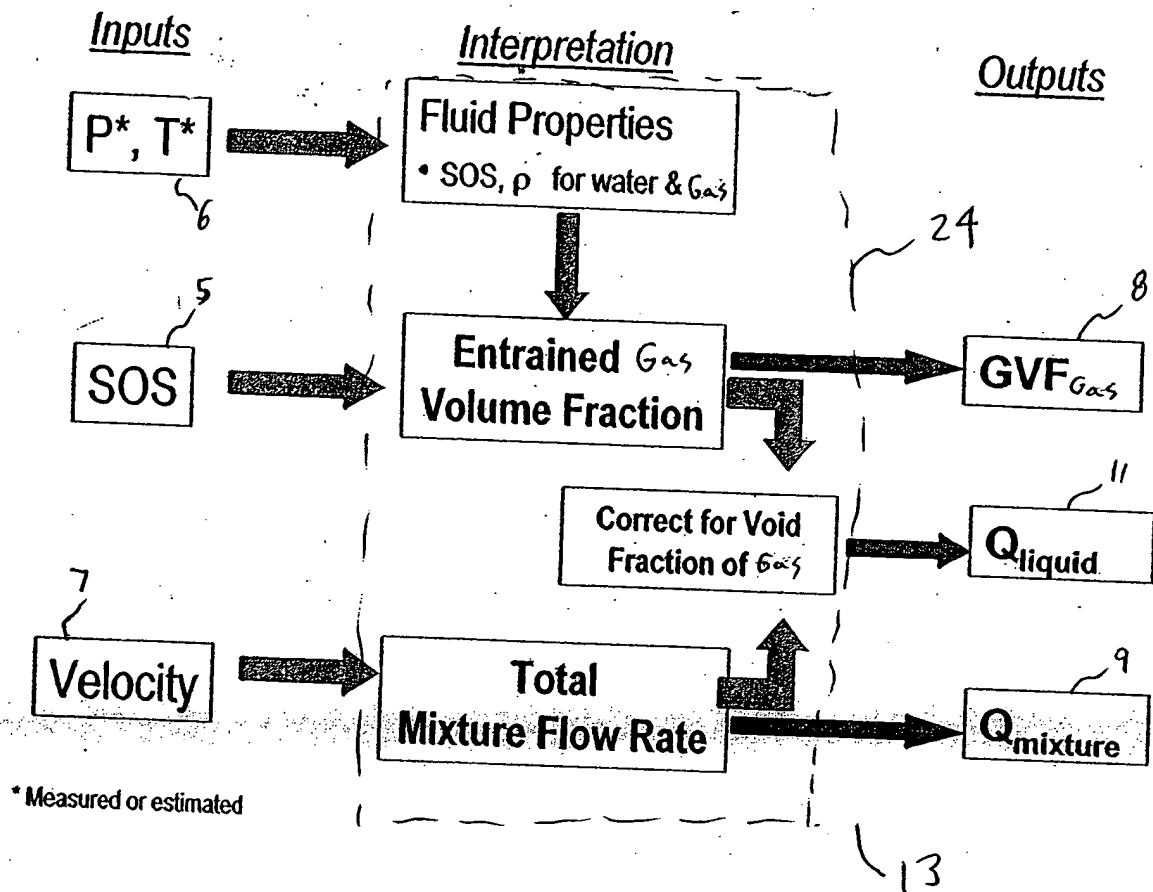


Fig. 3

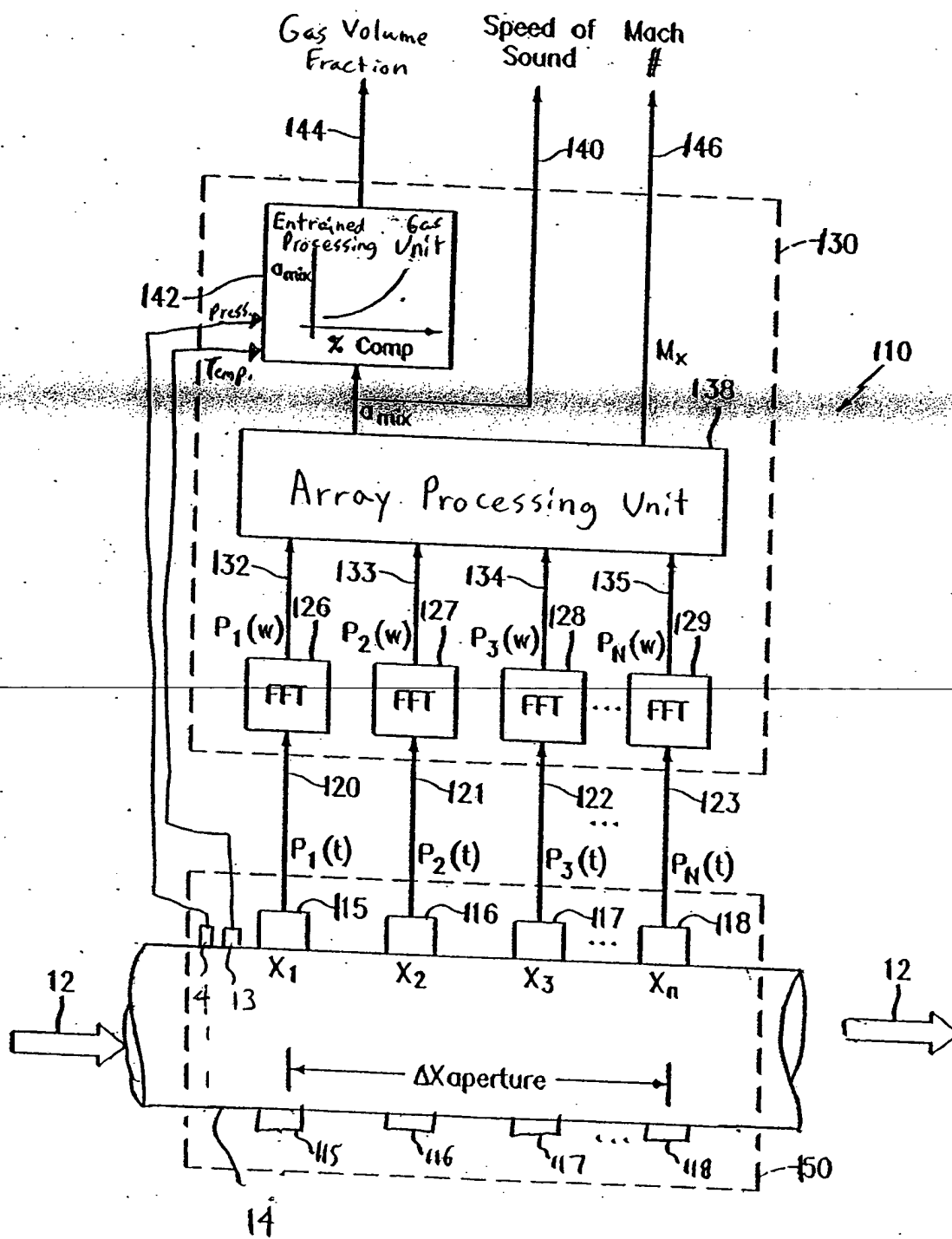


FIG. 4

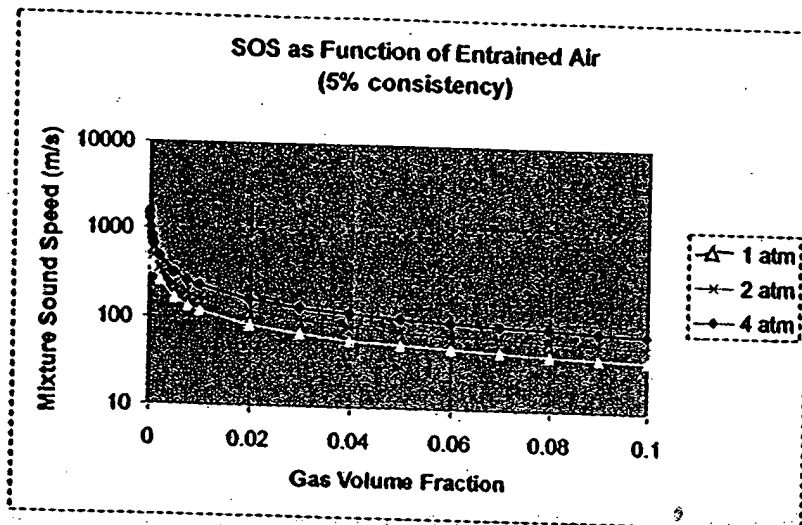


Fig. 5

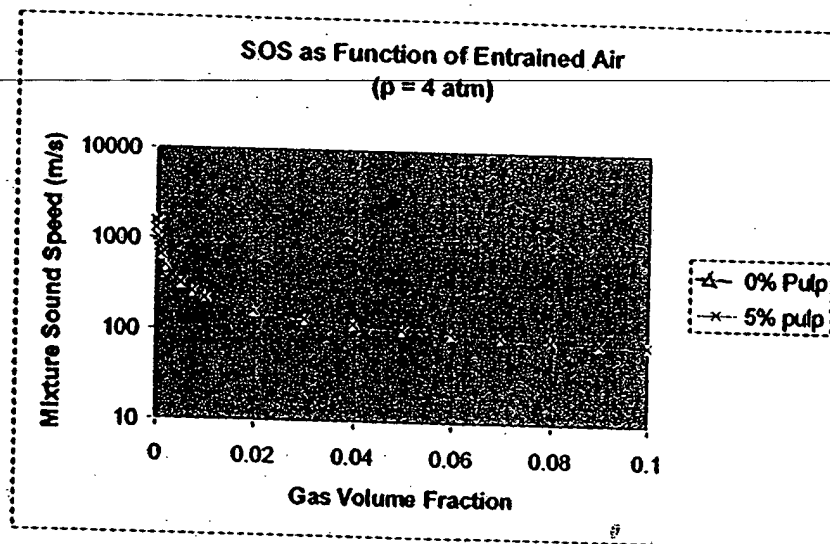


Fig. 6

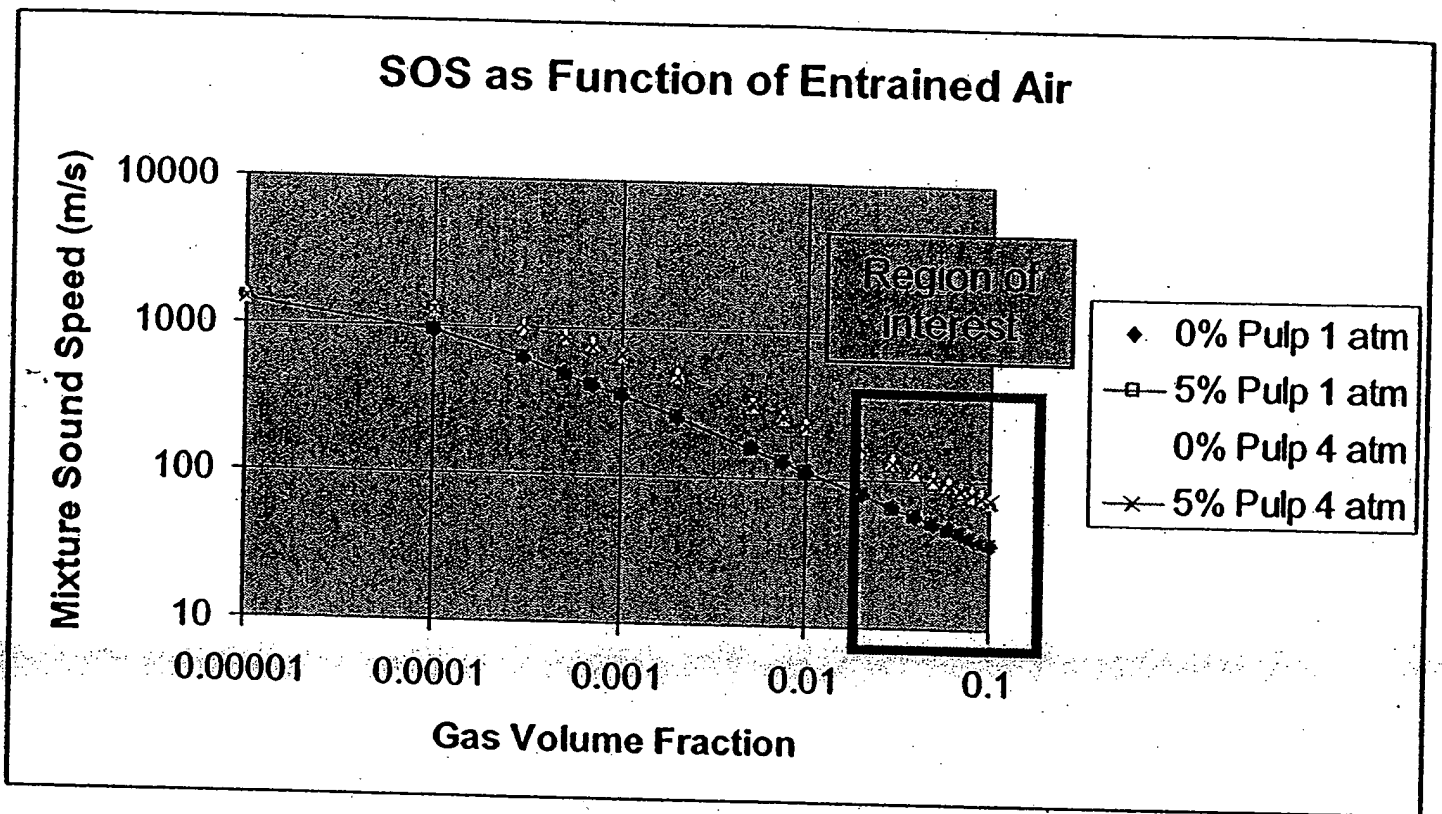


Fig. 7

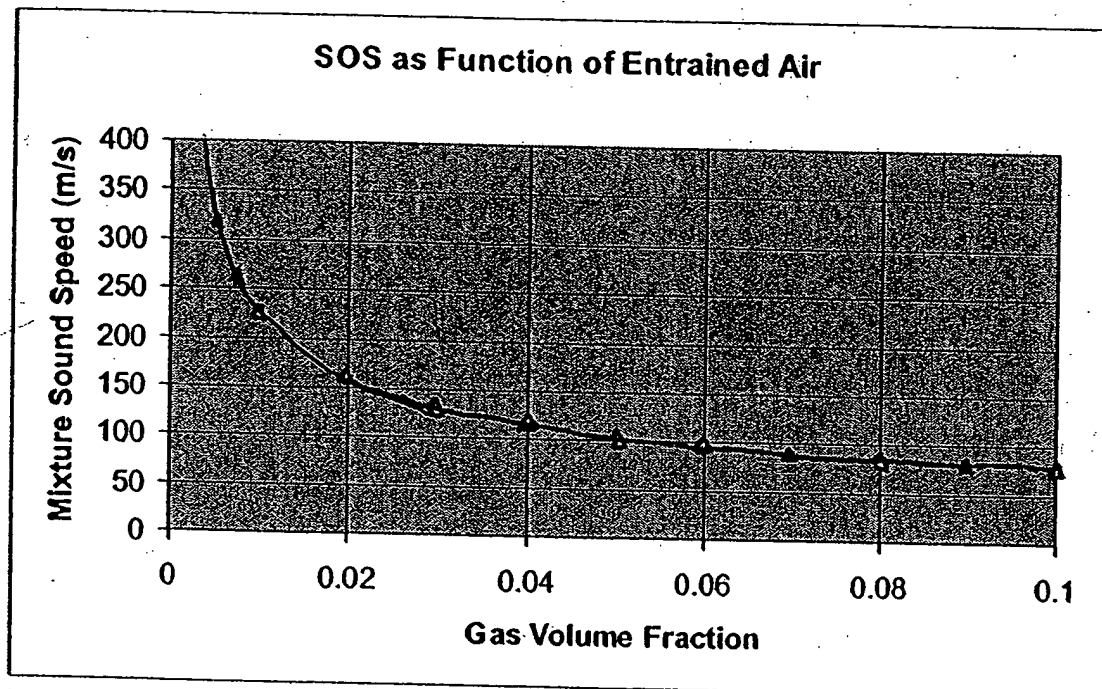


Fig. 8

**K- ω plot showing Acoustic Ridges
(in water with entrained air)**

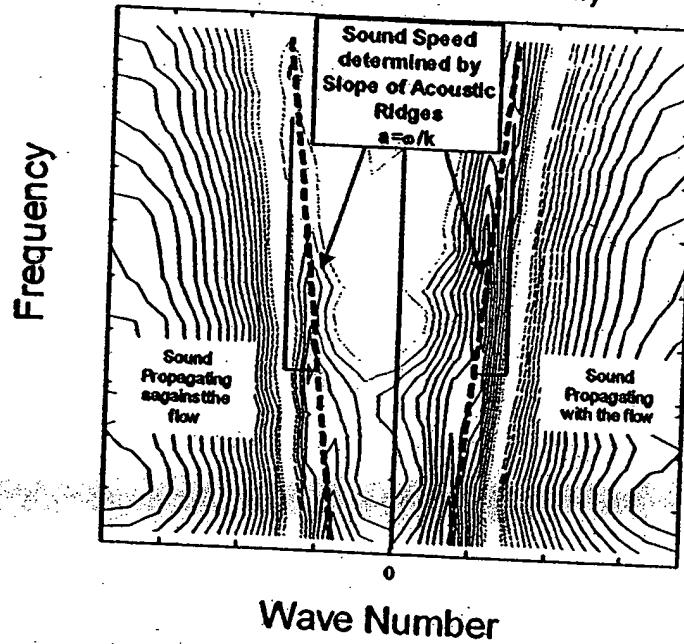


Fig. 9

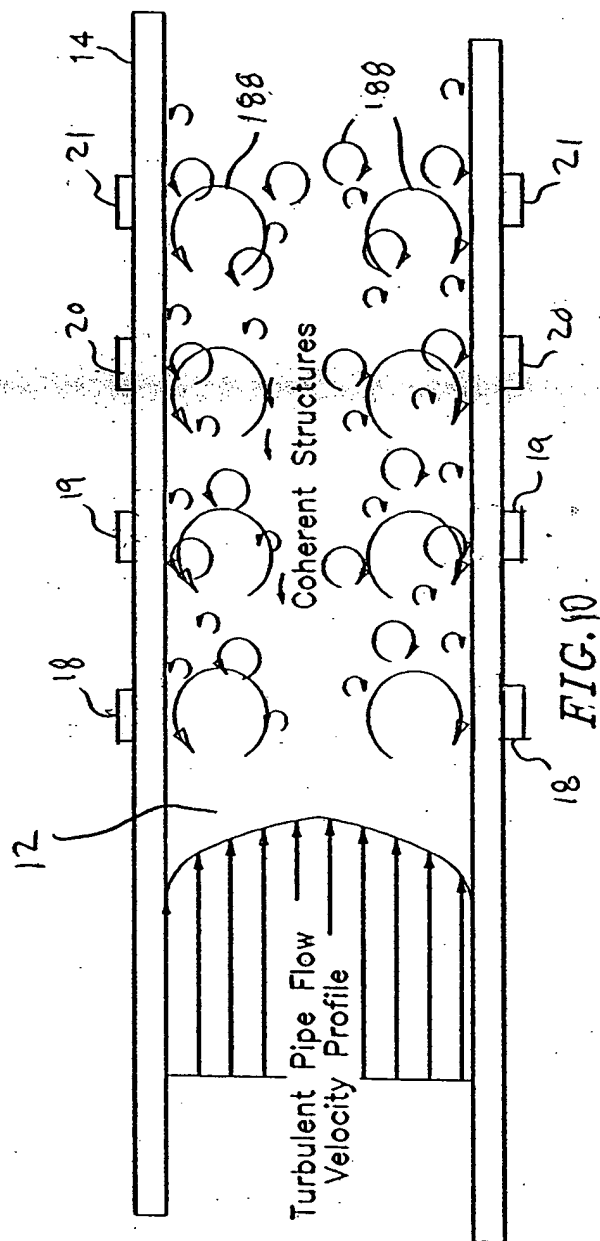


FIG. 10

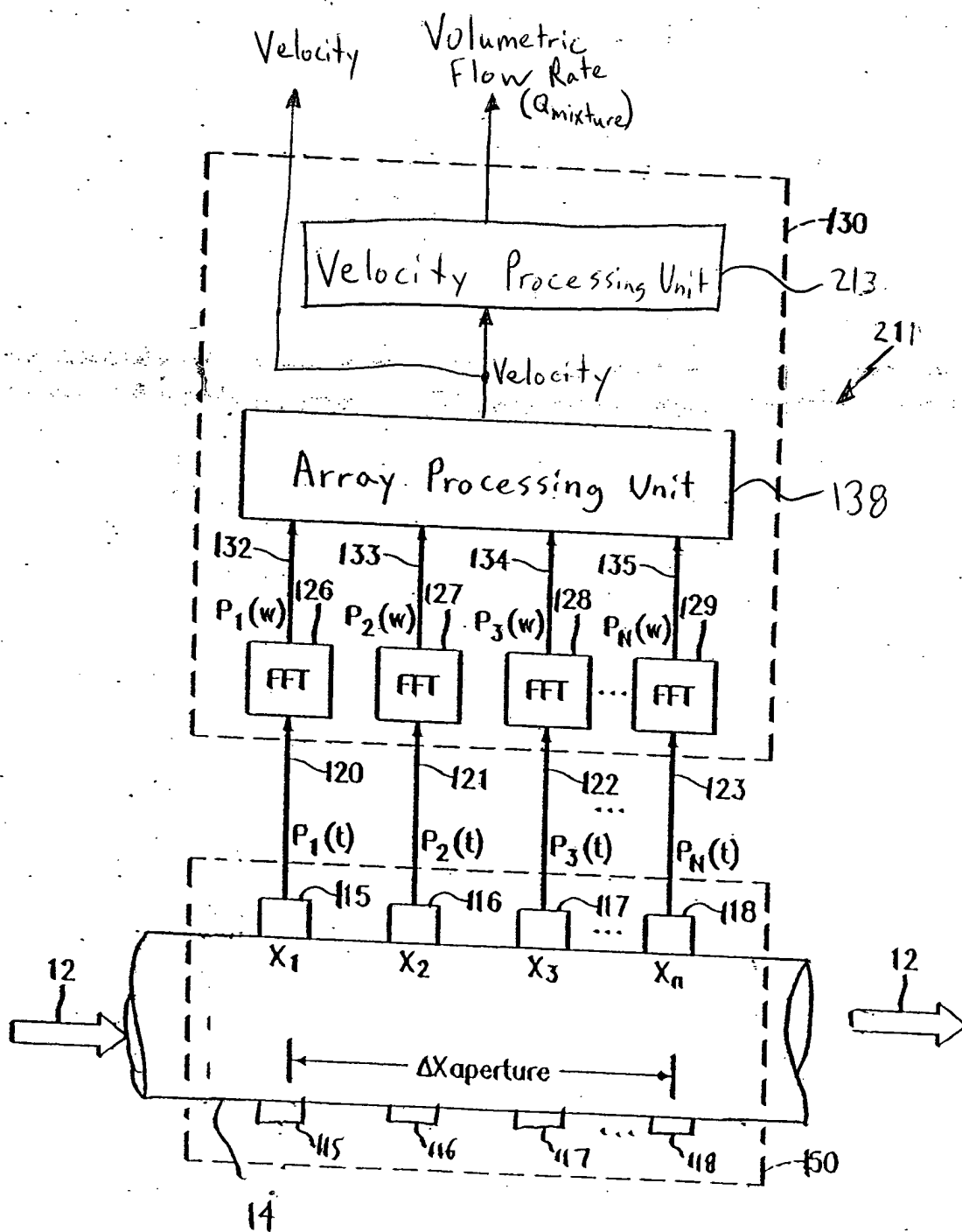
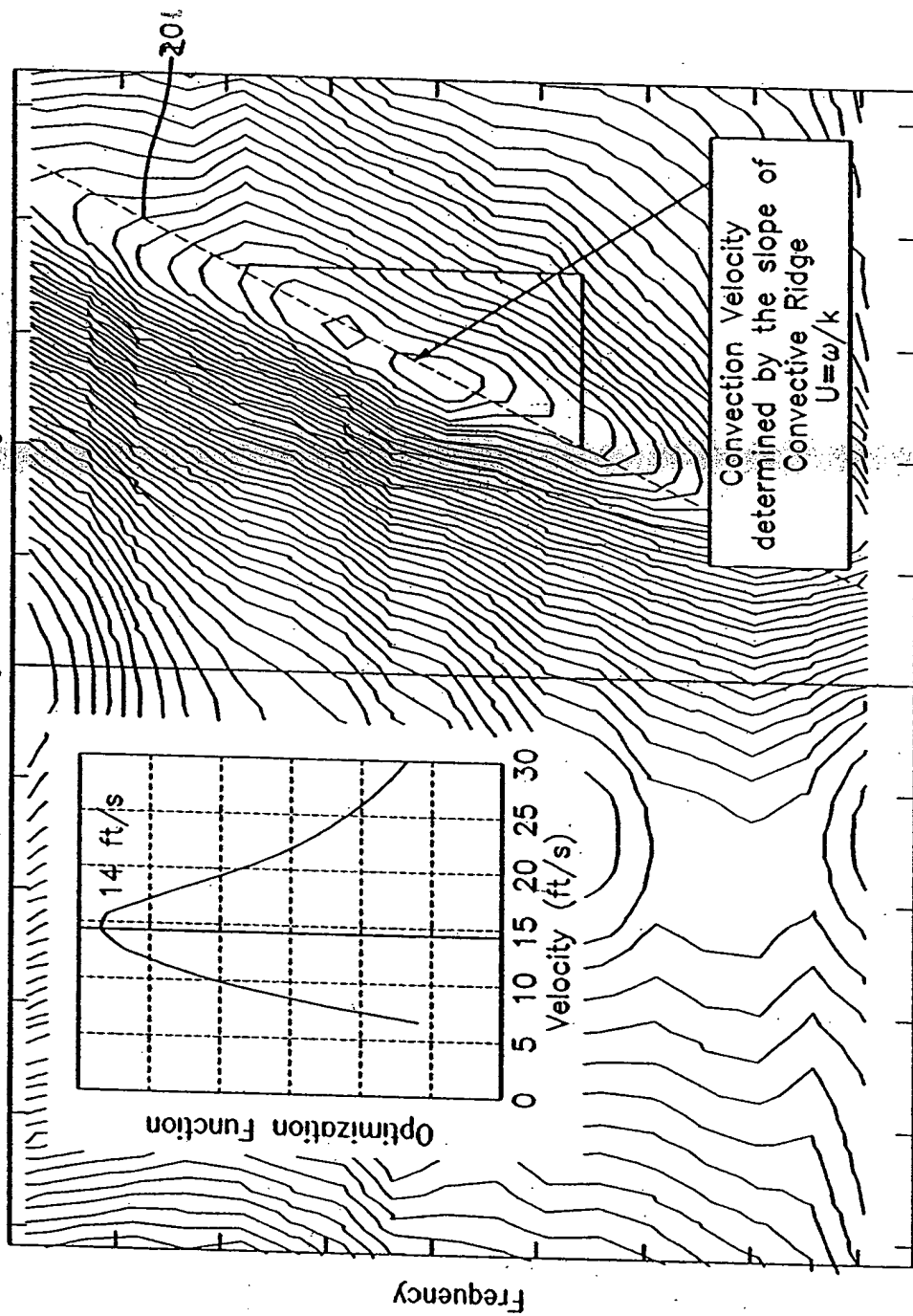


FIG. 11

K- ω plot showing Convective Ridge



Wave Number
FIG. 12

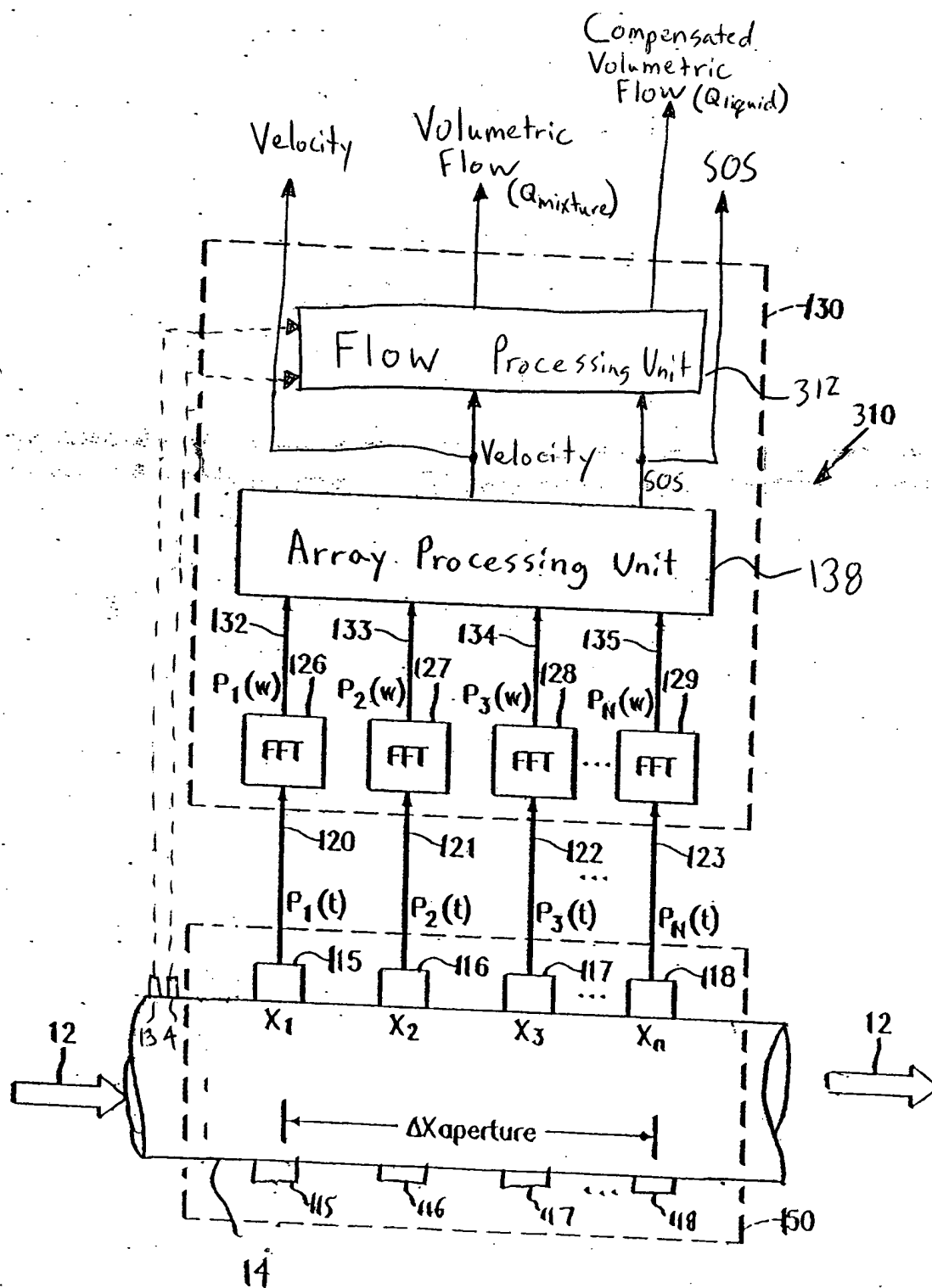


FIG. 13

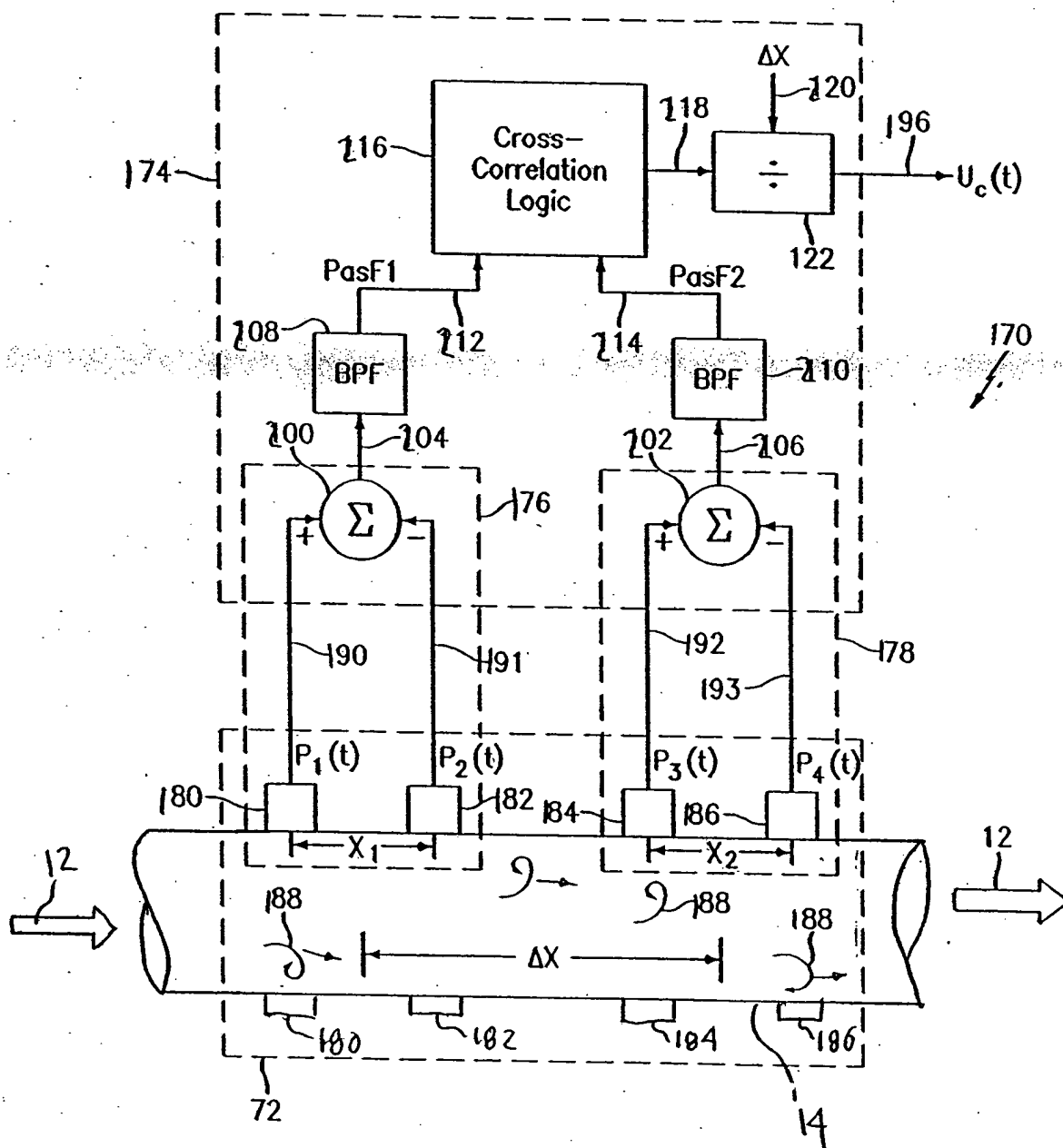


FIG. 14

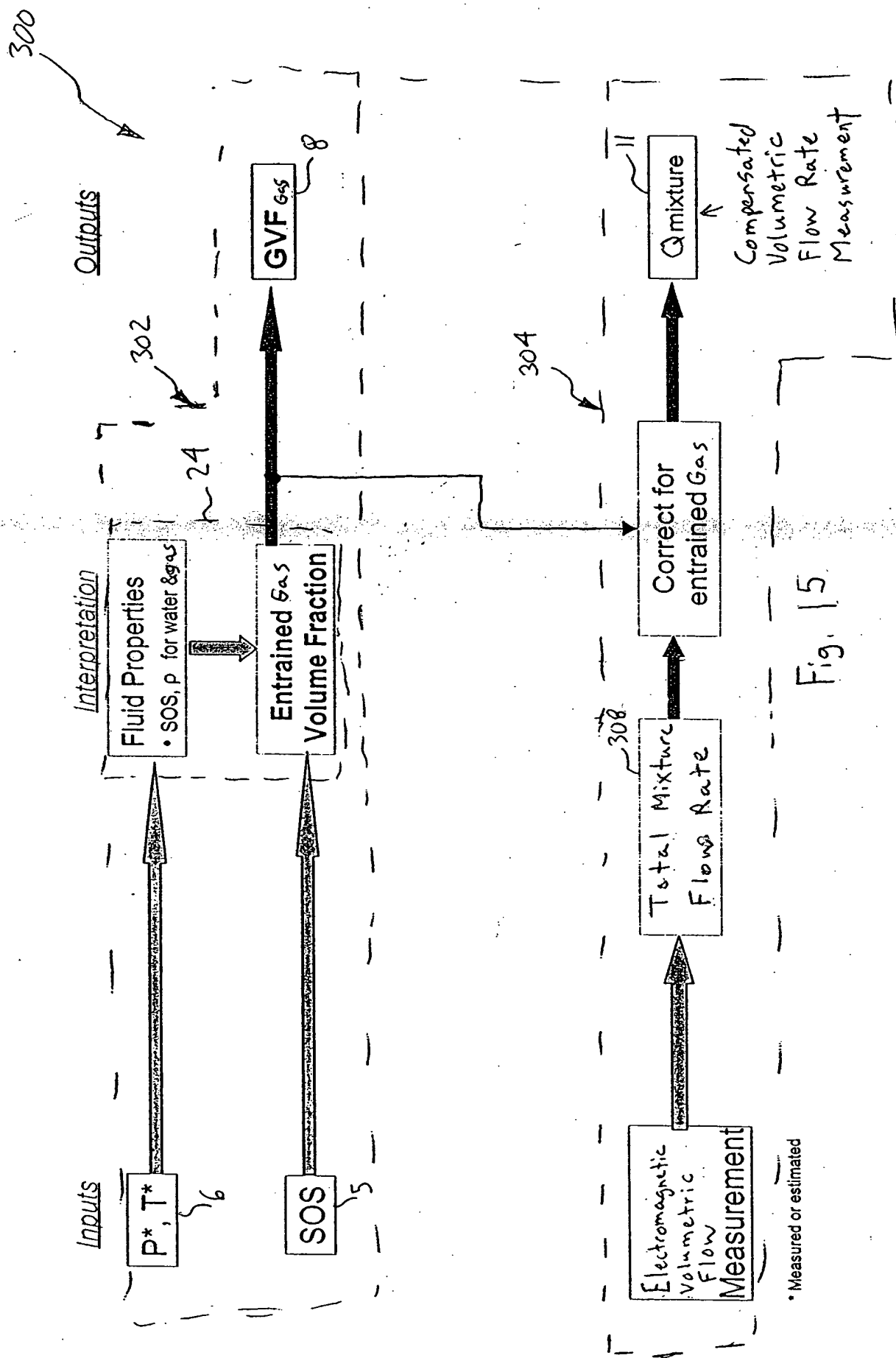


Fig. 15

• Measured or estimated

400

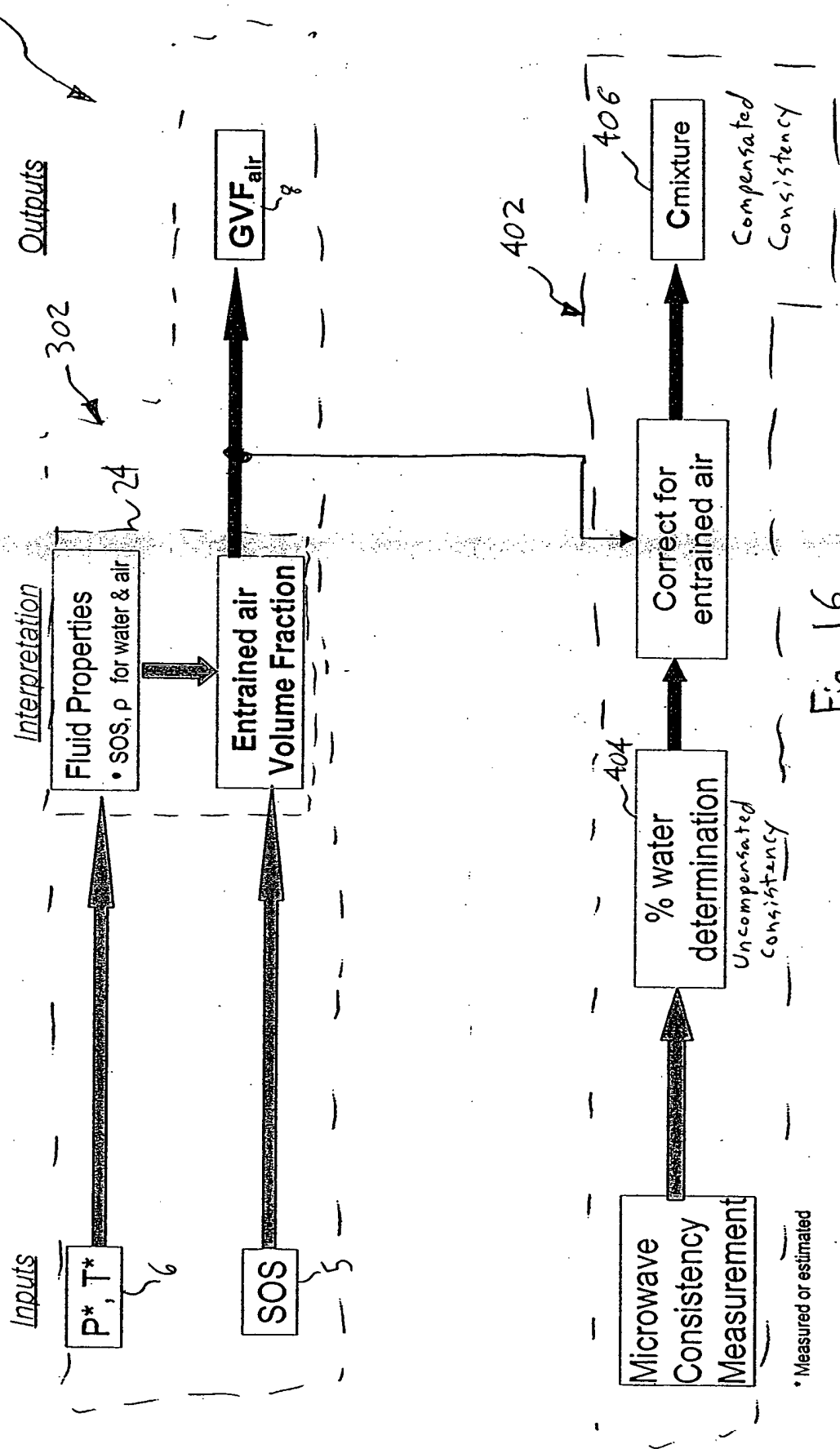


Fig. 16

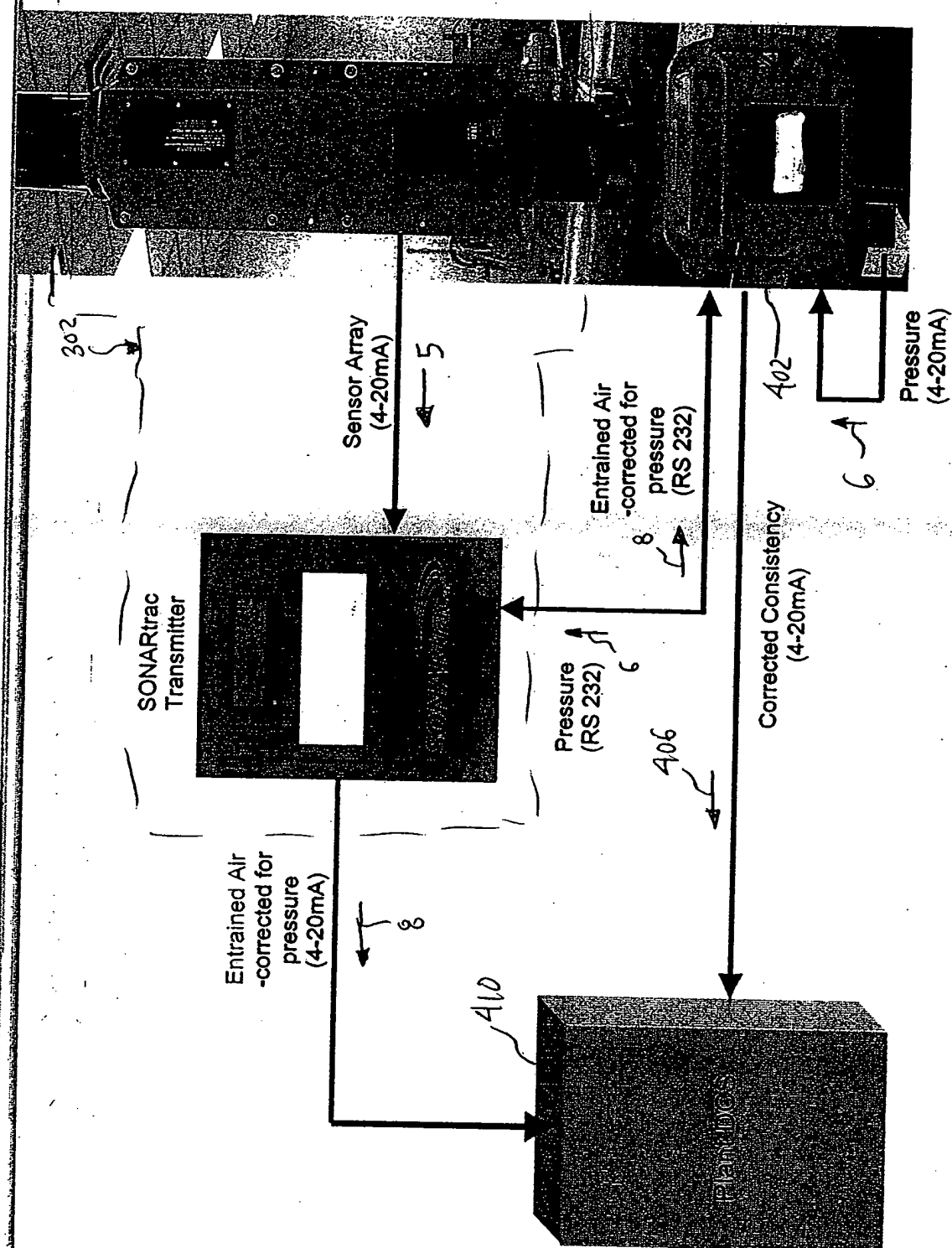
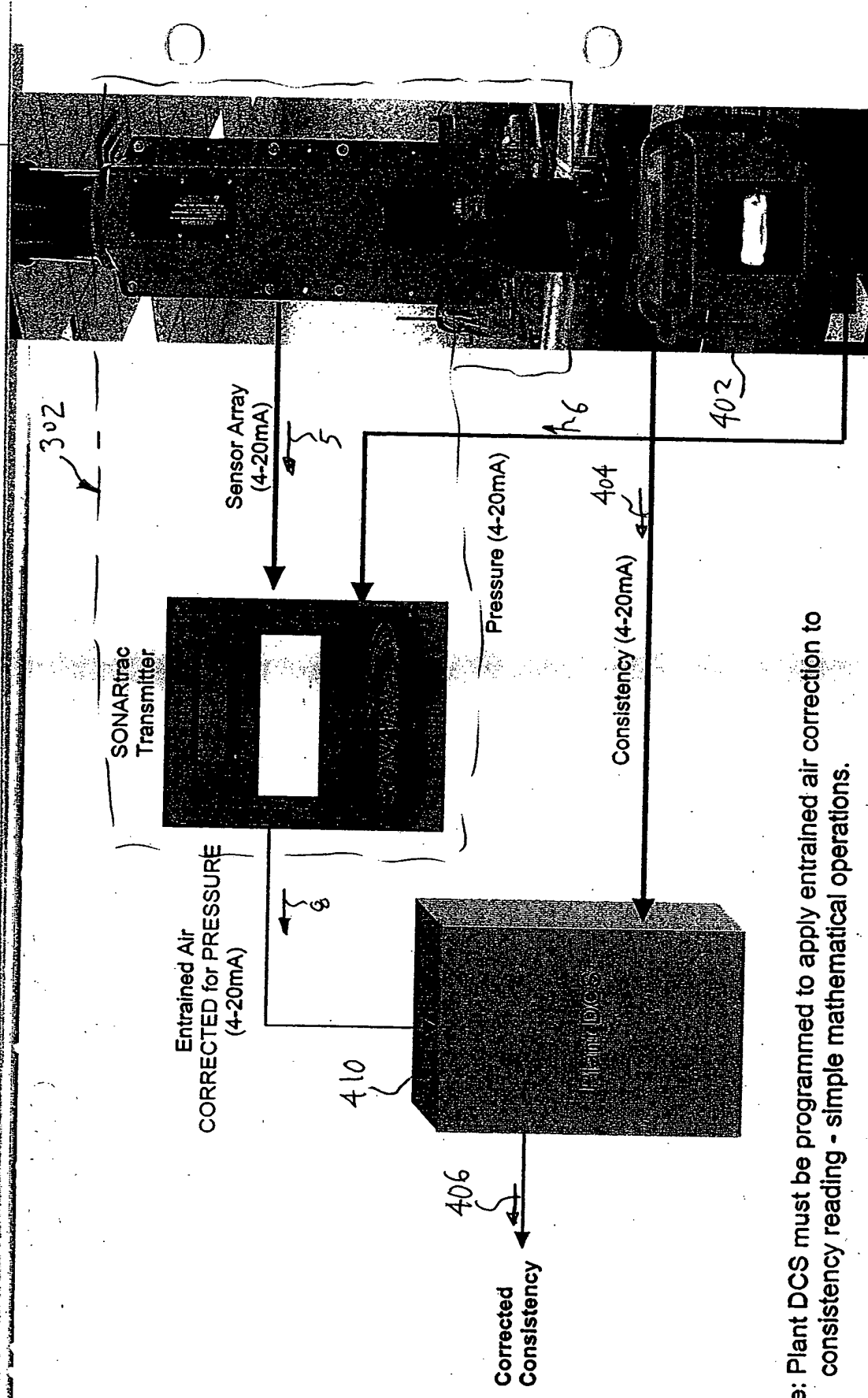
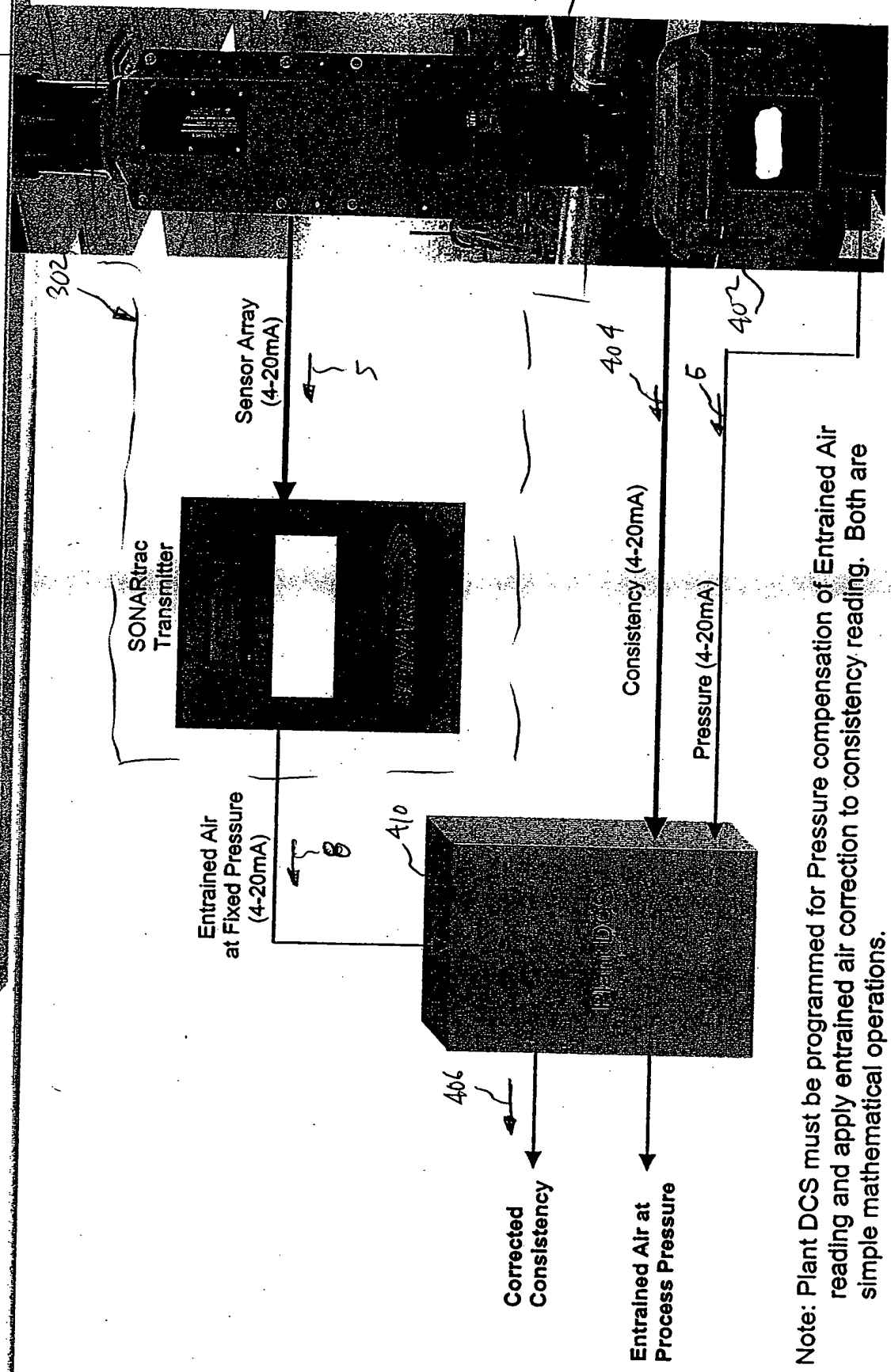


Fig. 17



Note: Plant DCS must be programmed to apply entrained air correction to consistency reading - simple mathematical operations.

Fig. 18



Note: Plant DCS must be programmed for Pressure compensation of Entrained Air reading and apply entrained air correction to consistency reading. Both are simple mathematical operations.

Fig. 19

Microwave Consistency Corrected by CIDRA SONARtrac Entrained Air Measurement

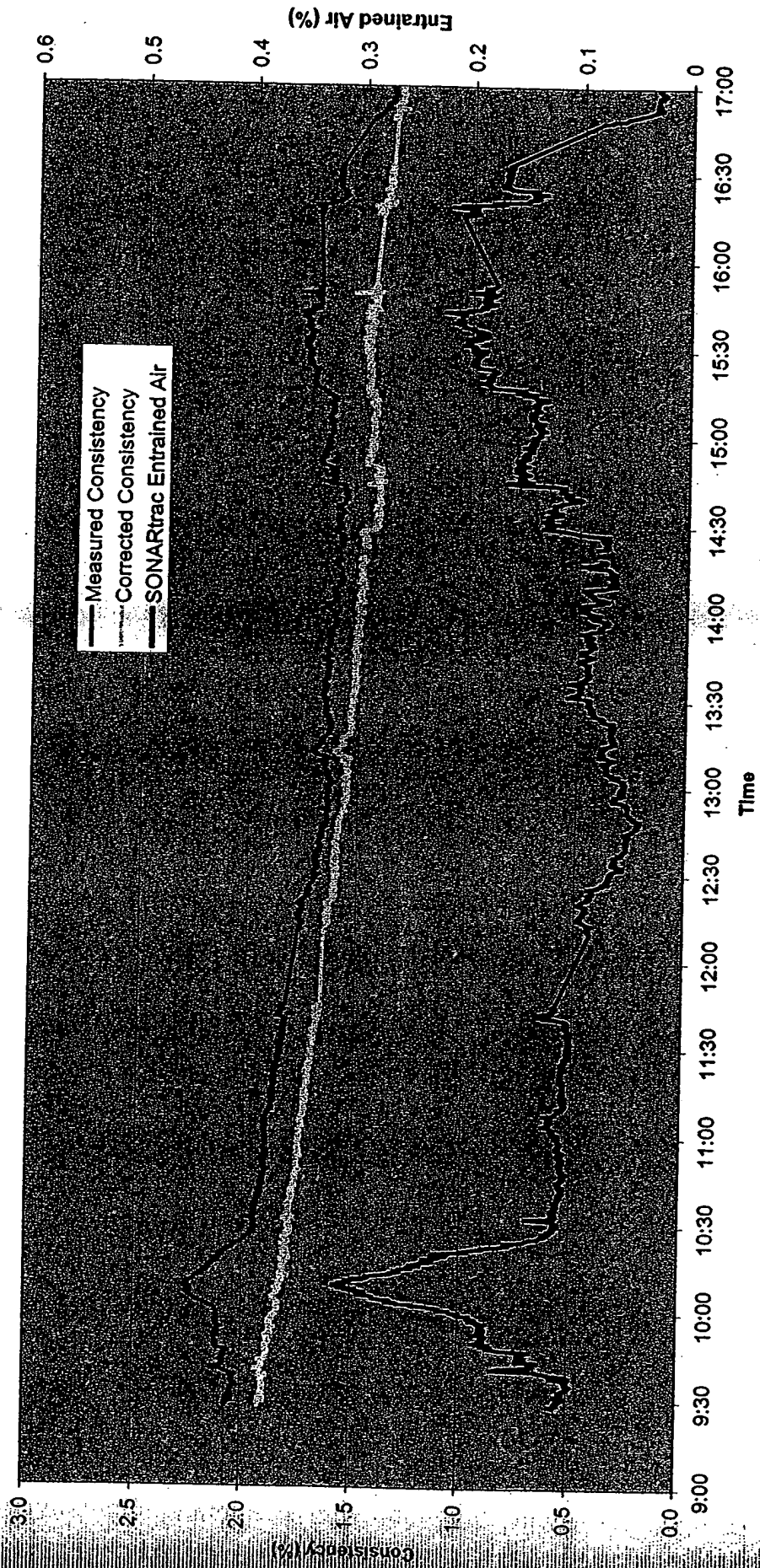


Fig. 20

Macro Bubble Testing Shows Ability to Correct Microwave Consistency Analyzer

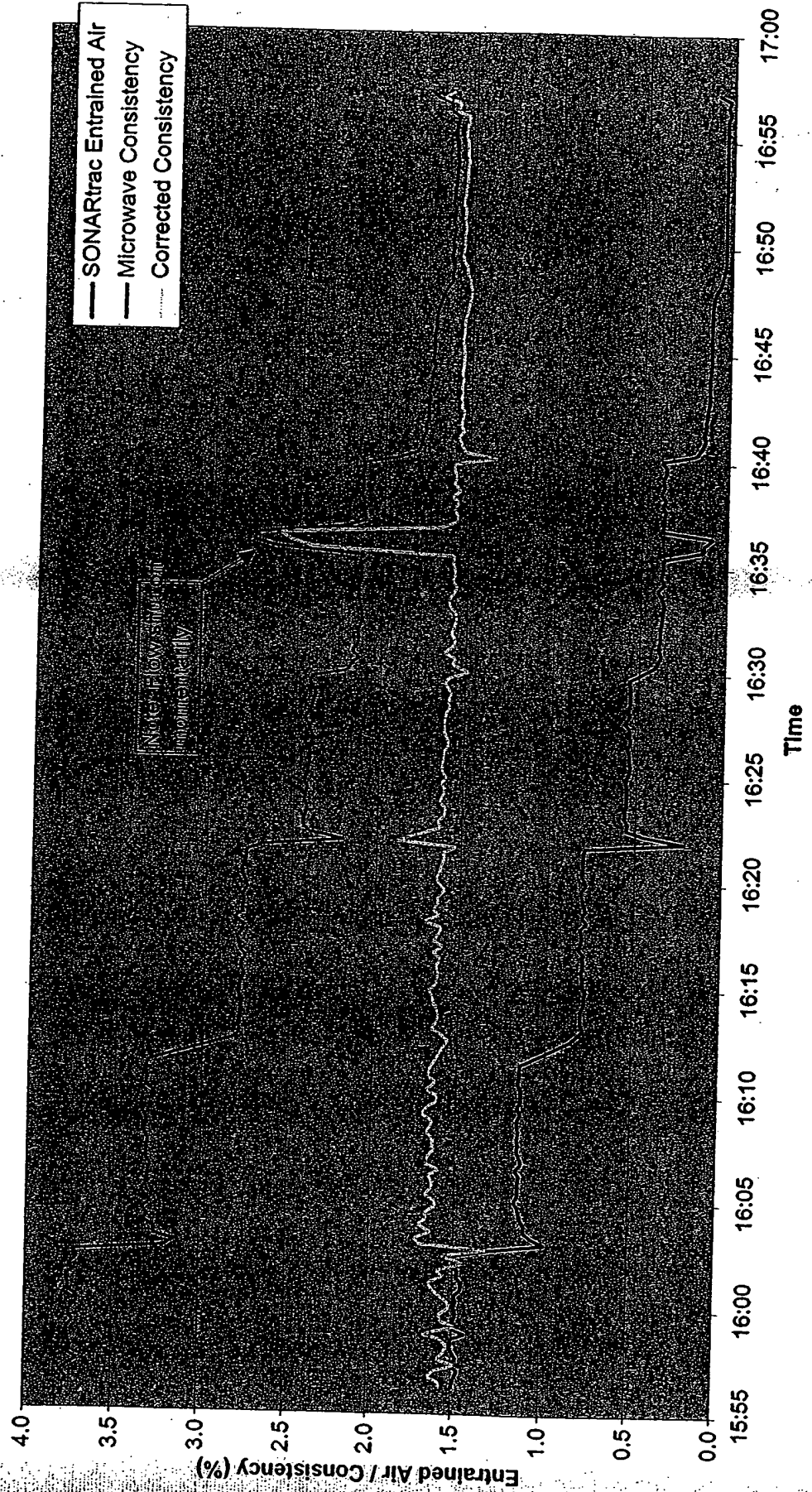
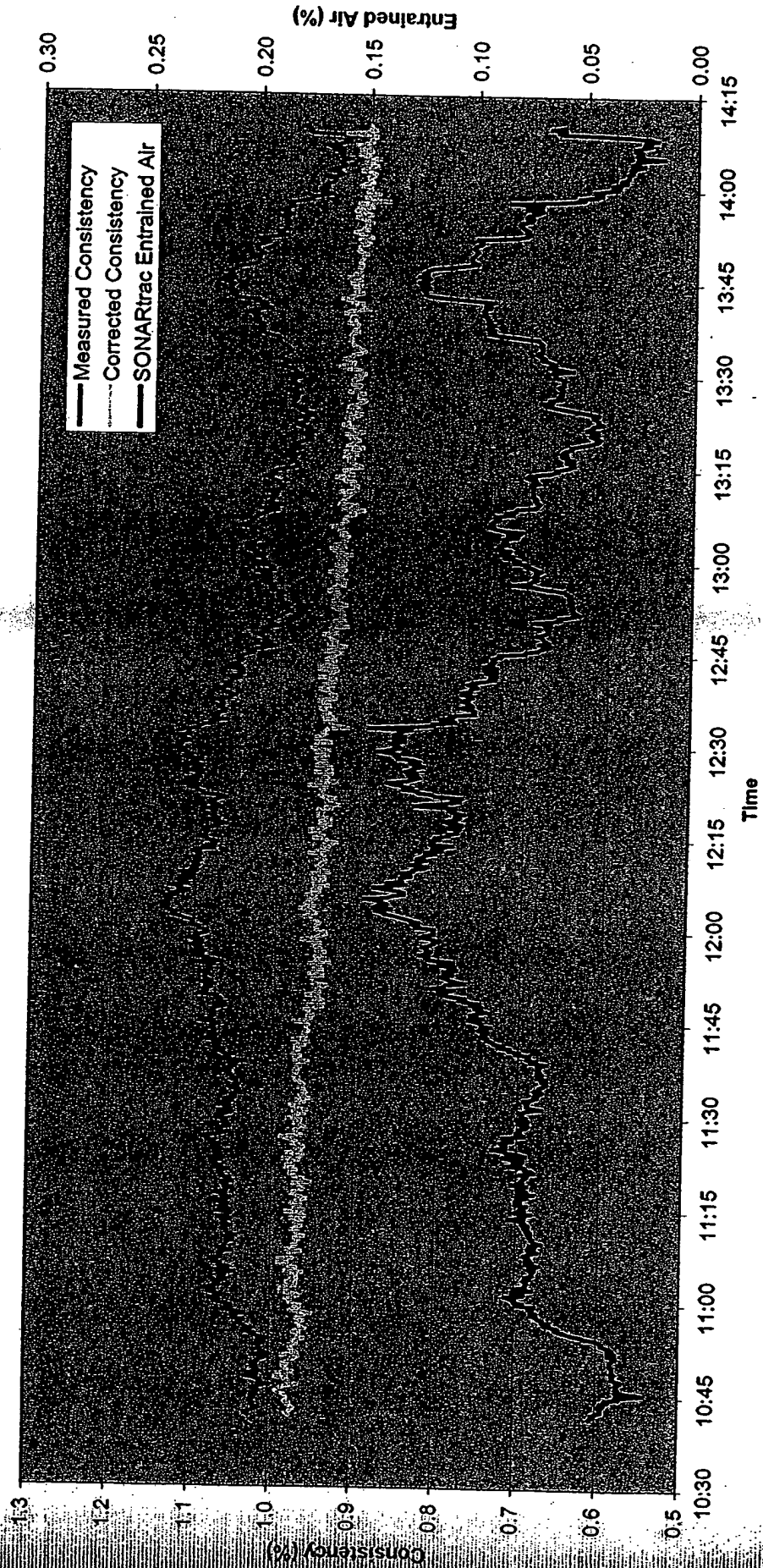


Fig. 21

Microwave Consistency Corrected by CIDRA SONARtrac Entrained Air Measurement "Micro" Air Flow Test



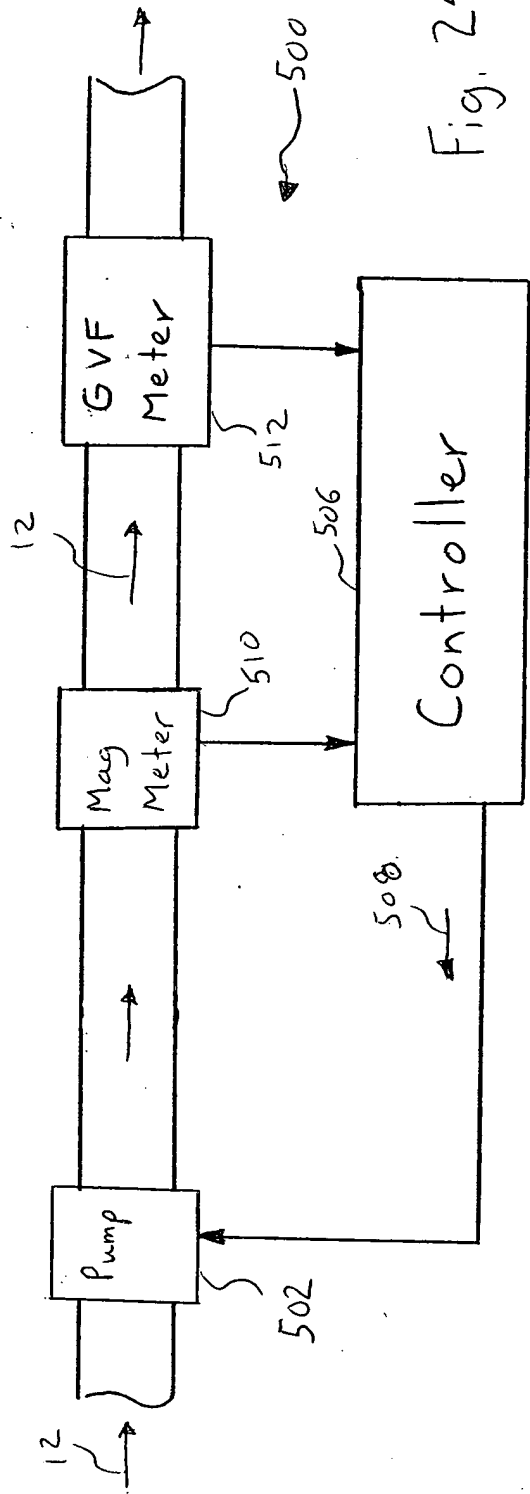


Fig. 24

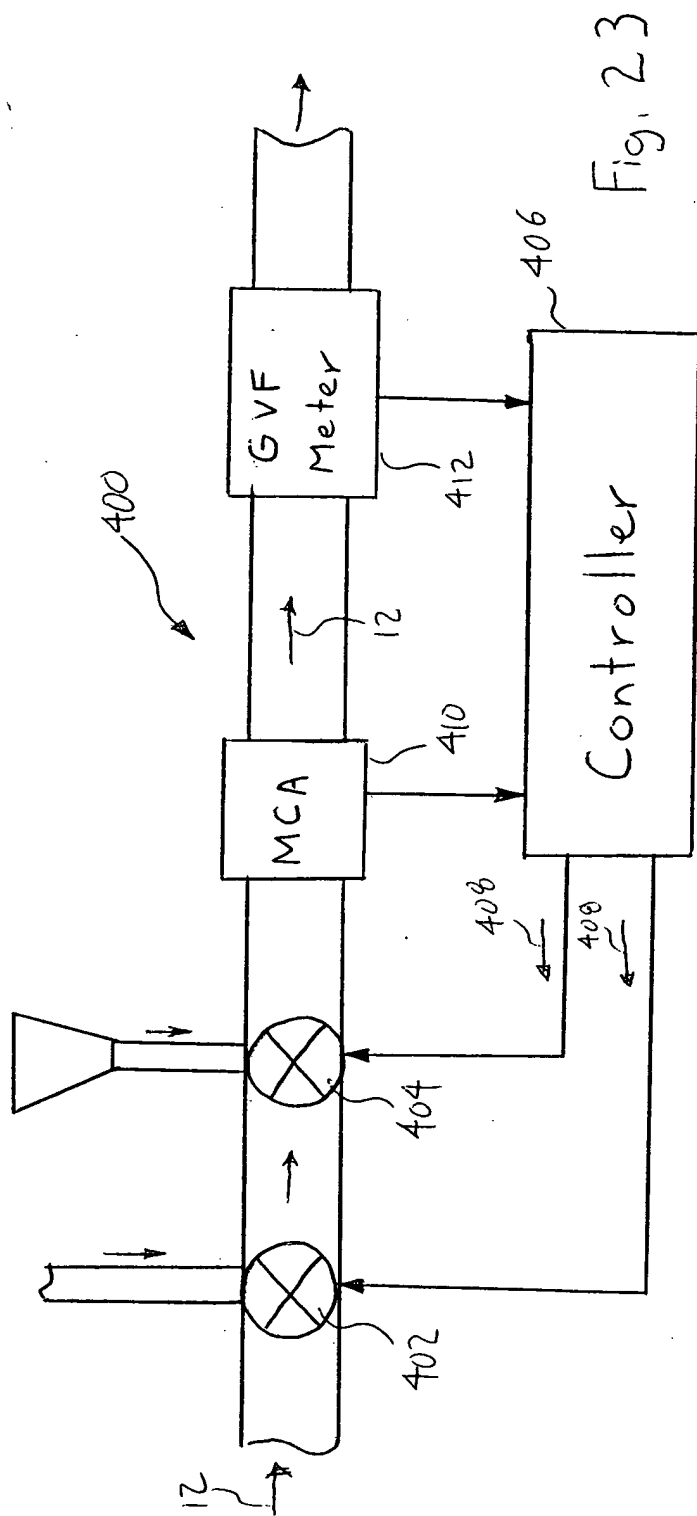


Fig. 23